

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

Claims 1-9 (canceled)

Claim 10 (previously presented): A computer based method for determining whether biometric samples are from a same source, comprising the steps of: comparing a first biometric sample with a second biometric sample with a general purpose computer, wherein said first and second biometric samples form at least one cluster of at least one vector based on feature similarities between said first and second biometric samples; and, determining by means of said general purpose computer whether said first and second biometric samples are from said same source, wherein the first biometric sample and the second biometric sample are handwriting samples and said at least one cluster is a composite based on a model for measuring the distance between a first binary feature vector and a second binary feature vector and wherein the accuracy of said model is measured by calculations involving features selected from the group consisting of micro-features, macro-features and a combination of micro- and macro-features.

Claim 11 (original): The computer based method of claim 10, wherein the first binary feature and the second binary feature are selected from the group consisting of a conventional feature and a computational feature.

Claim 12 (original): The computer based method of claim 10, wherein the first binary feature and the second binary feature are a conventional feature selected from the group consisting of arrangement, class of allograph, connection, design of allographs (alphabets) and their construction, vertical dimension, horizontal dimension, slant, slope, intraword spacing, interword spacing, abbreviation, baseline alignment, initial stroke, terminal stroke, presence of punctuation, style of punctuation, location of punctuation, embellishment, legibility, writing quality, line continuity, line quality, pen control, arched writing movement, angular writing movement, interminable writing movement, natural variation, natural consistency, persistency, lateral expansion, and word proportions.

Claim 13 (original): The computer based method of claim 10, wherein the first binary feature and the second binary feature are a computational feature selected from the group consisting of a micro-feature and a macro-feature.

Claim 14 (original): The computer based method of claim 13, wherein the computational feature is a micro-feature selected from the group consisting of gradient, structural and concavity attributes.

Claim 15 (original): The computer based method of claim 13, wherein the computational feature is a micro- feature of a character level parameter.

Claim 16 (original): The computer based method of claim 13, wherein the computational feature is a macro- feature selected from the group consisting of entropy of gray values, gray level binarization threshold, black pixels, interior contours, exterior contours, vertical slope, horizontal slope, negative slope, positive slope, stroke width, height and slant.

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Claim 17 (original): The computer based method of claim 13, wherein the computational feature is a macro- feature selected from the group consisting of a document parameter, a paragraph parameter, and a word level parameter.

Claims 18-22 (canceled)